

Biomaterials Science

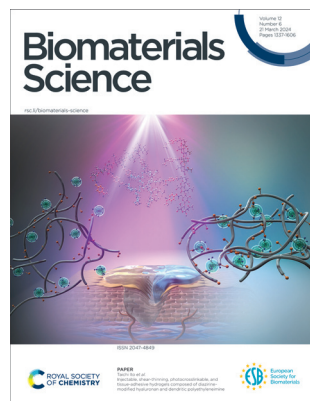
An international high impact journal exploring the underlying science behind the function, interactions and design of biomaterials

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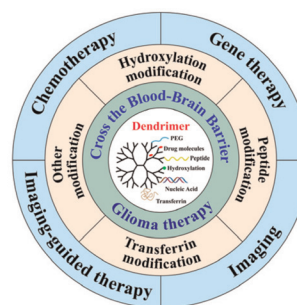
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Blood–brain barrier-crossing dendrimers for glioma theranostics

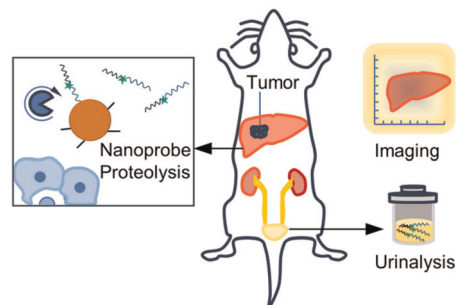
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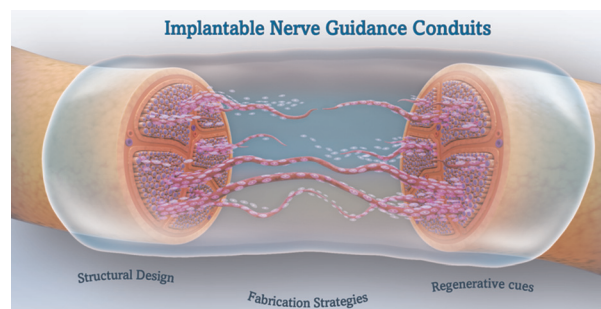
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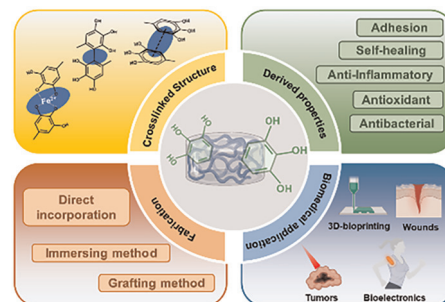
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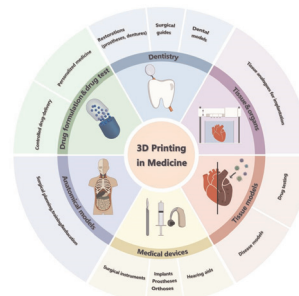
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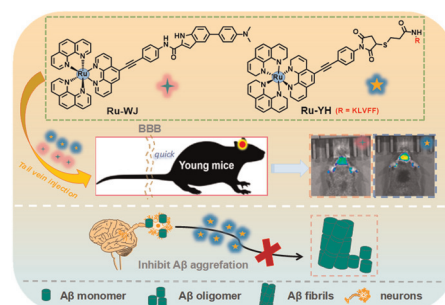


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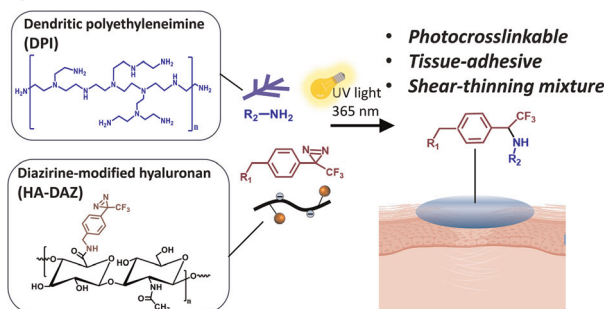
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Xian Chen, Jiaoyang Wang, Zhenhuo Mo, Lu Han, Kaiqing Cheng, Cheng Xie, Genyan Liu,* Lijun Jiang,* Kai Wang* and Jie Pan*



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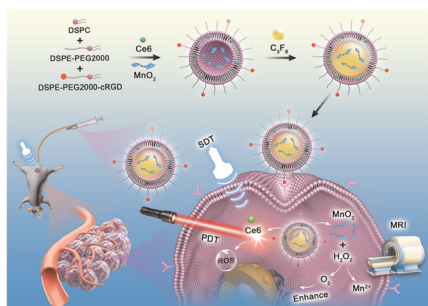
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Injectable, shear-thinning, photocrosslinkable, and tissue-adhesive hydrogels composed of diazirine-modified hyaluronan and dendritic polyethyleneimine

Arvind K. Singh Chandel, Athira Sreedevi Madhavikutty, Saki Okada, Zhang Qiming, Natsuko F. Inagaki, Seiichi Ohta and Taichi Ito*

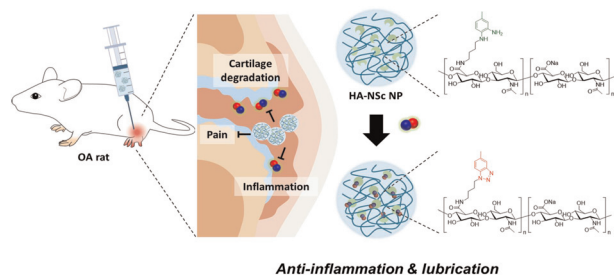
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MnO₂/Ce6 microbubble-mediated hypoxia modulation for enhancing sono-photodynamic therapy against triple negative breast cancer

Ping Li, Xiao Tan, Qing Dan, Azhen Hu, Zhengming Hu, Xiaoting Yang, Jianhua Bai, Xiaoyu Chen, Bowei Li, Guanxun Cheng, Li Liu,* Yun Chen,* Desheng Sun,* Xintao Shuai* and Tingting Zheng*

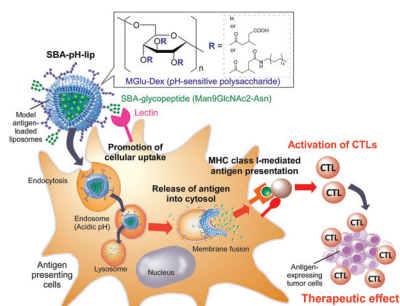
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Nitric oxide-scavenging hyaluronic acid nanoparticles for osteoarthritis treatment

Yunyoung Nah, Sivasangu Sobha, Gurusamy Saravanakumar, Byung-Yoon Kang, Joo-Byoung Yoon and Won Jong Kim*

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Preparation of glycopeptide-modified pH-sensitive liposomes for promoting antigen cross-presentation and induction of antigen-specific cellular immunity

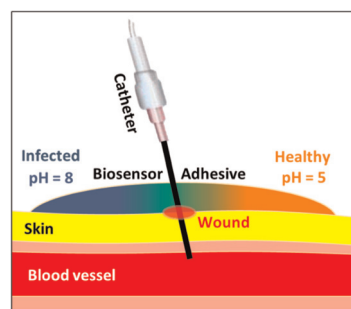
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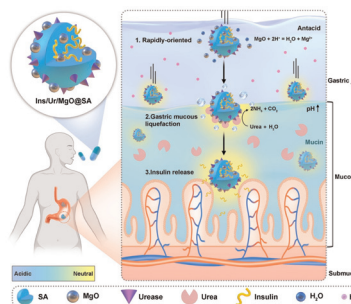
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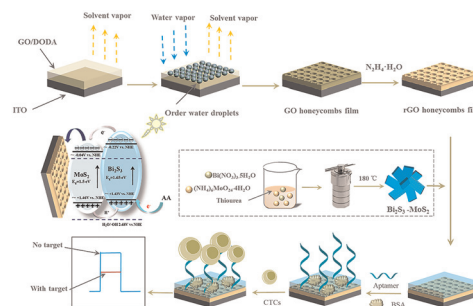
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A photoelectrochemical cytosensor based on a Bi₂S₃-MoS₂ heterojunction-modified reduced oxide graphene honeycomb film for sensitive detection of circulating tumor cells

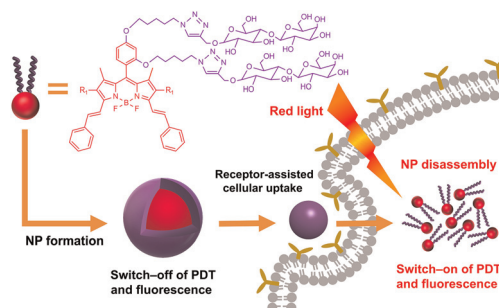
Yuhong Guo, Binbin Guo, Zhaopeng Liu, Jian Li, Liming Gao,* Hong Jiang* and Jidong Wang*



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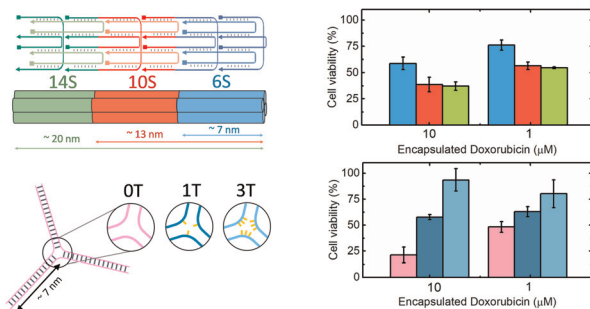
Red fluorescent BODIPY-based nanoparticles for targeted cancer imaging-guided photodynamic therapy

Chanwoo Kim, Duy Khuong Mai, Won-Jin Kim, Isabel Wen Badon, Jinwoong Jo, Dongho Kang, Seok-Jun Kim,* Ho-Joong Kim* and Jaesung Yang*



PAPERS

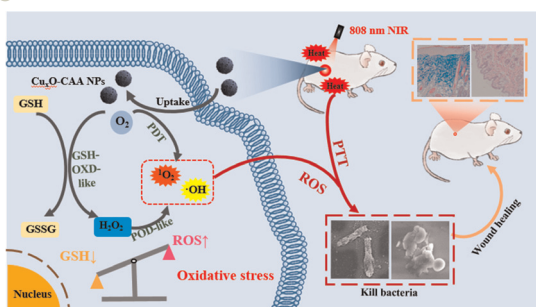
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Assessing the influence of small structural modifications in simple DNA-based nanostructures on their role as drug nanocarriers

Alejandro Postigo, Pablo Martínez-Vicente, Kevin N. Baumann, Jesús del Barrio and Silvia Hernández-Ainsa*

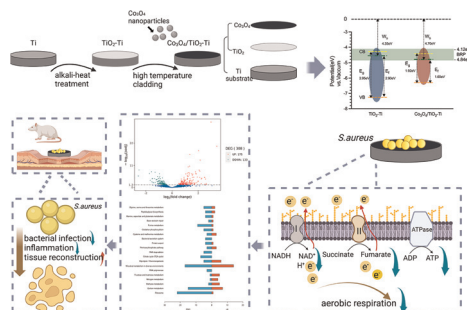
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Biocompatible *N*-carbazoleacetic acid decorated Cu_xO nanoparticles as self-cascading platforms for synergistic single near-infrared triggered phototherapy treating microbial infections

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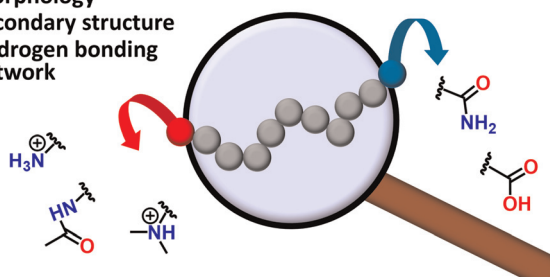


A self-activating electron transfer antibacterial strategy: Co₃O₄/TiO₂ P-N heterojunctions combined with photothermal therapy

Siyuan Chen, Zhe Xie, Yuchen Yang, Nuo Sun, Zhongnong Guo, Miaomiao Li and Chen Wang*

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- Morphology
- Secondary structure
- Hydrogen bonding network



Amyloid engineering – how terminal capping modifies morphology and secondary structure of supramolecular peptide aggregates

Manuela Grelich-Mucha, Thomas Bachelart, Vladimir Torbeev, Katarzyna Ożga, Łukasz Berlicki and Joanna Olesiak-Bańska*



CORRECTION

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Correction: MnO₂/Ce6 microbubble-mediated hypoxia modulation for enhancing sono-photodynamic therapy against triple negative breast cancer

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